



## **Tom Hayes, BSc (Hons) CEnv MCIWEM** **Director**

Tom Hayes obtained an honours degree in Environmental Physical Sciences from the University of Liverpool. Tom is a Chartered Environmentalist and a member of the Chartered Institute of Water and Environmental Management.

After working as an analytical chemist for a pharmaceutical company, Tom began work in the field of contaminated land in 1997 at Viridian Ltd. Here he undertook several in-situ and ex-situ soil remediation projects as well technology development. Before joining Ecologia, Tom was employed as project scientist for Biogenie Site Remediation where he worked on several large remediation projects, he has since undertaken many remediation projects as well as site investigations, quantitative risk assessment (QRA), marketing, proposal costing and client/regulator liaison. Tom has been involved in the development of many of Ecologia's on-site remediation system including ex-situ bioremediation, high vacuum multi-phase extraction, Soil Heating with Steam and Radio Frequency and Sparging using ozone.

Tom's role as Director is to oversee the company's commercial projects, aid the business development and management of the company.

Tom was the lead author of the CL:AIRE report TDP12 covering the ex-situ bioremediation of 22,000 cubic metres of hydrocarbon contaminated soils at Askern colliery Nr Doncaster.

### **Technical Papers**

"Waste Management and Disposal of Cuttings and Drilling Fluid Waste Resulting from the Drilling and Completion of Wells to Produce Orinoco Very Heavy Oil in Eastern Venezuela". Society of Petroleum Engineers. HSE Conference - Caracas, Venezuela. 1998.

Getliff J.M., Silverstone M., Sharman A.K., Lenn M.J & **Hayes T.** (1998)

Bioremediation of the coke works and former colliery at Askern, Nr Doncaster. CL:AIRE Technology Demonstration Project Report TDP12 July 2005

**Hayes T.**, Foweather M., Sweeney R.

### **Presentations**

Solid Phase, ex-situ Bioremediation of Hydrocarbon Contaminated Soils Using 'Biopiles' at the Former Askern Colliery. Presentation to CL:AIRE annual conference, London. March 2003.

Solid Phase Bioremediation of Hydrocarbon Contaminated Soils. Presentation to Brownfield Briefing Remediation Conference, London. September 2003

PAH Contaminated Land. Presentation to NSCA conference October 2006 'Effective Management of Contaminated Land'

Small sites a big problem? Presentation to Brownfield Briefing Remediation Conference, London. September 2007